HT-S5500 7.1-Channel Home Theater Receiver/Speaker Package

Envelop Yourself in Three-Dimensional Sound

This finely crafted 7.1-channel system features Dolby® Pro Logic® IIz to incorporate two extra Front Height channels. With the HT-S5500, you can enjoy a more realistic, three-dimensional movie or gaming experience over a standard 5.1 setup. The system's powerful receiver hits all the right notes, featuring a discrete WRAT amplifier for clear, detailed sound; four HDMI® inputs and one output to handle 3D video and high-resolution audio; a USB port for direct digital iPod®/iPhone® connection; and an HDMI-enabled overlaid on-screen display for stress-free system navigation. Likewise, the two-way front and center speakers are fitted with high-quality drivers and tweeters, while an energy-efficient 120 W subwoofer fills out the bottom end. The system is easy to set up right out of the box, with Audyssey's 2EQ room acoustic correction optimizing the sound for your listening space. With its solid build quality, expansive sound, and intelligent feature set, the HT-S5500 offers you a satisfying blend of performance and value.

HT-R591
7.1-Channel Home Theater Receiver

- 130 Watts per Channel (6 Ohms, 1 kHz, 1% THD, 1 Channel Driven); 80 Watts per Channel (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
- HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 4 HDMI Inputs and 1 Output
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- Dolby® Pro Logic® IIz for Expanded Surround Channels
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port
- WRAT (Wide Range Amplifier Technology)
- Discrete Output Stage Circuitry
- Overlaid On-Screen Display (OSD) via HDMI
- Audyssey 2EQ for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Advanced Music Optimizer for Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode
- Mass Storage Class USB Memory Playback Capability
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 2 Outputs
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear) and 1 Output
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 400 ms at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets
- RIHD (Remote Interactive over HDMI) for System Control
- Compatible with RI (Remote Interactive) Dock for iPod/iPhone
- Full-Function RI Remote Control

HTP-591
7.1-Channel Home Theater Speaker System

SKF-591 *2-Way Bass Reflex Front Speakers*
- 5″ (12 cm) OMF Diaphragm Woofer
- 1″ (2.5 cm) Balanced-Dome Tweeter
- Max. Input Power: 130 W
- Gloss Finished Top Panel

SKC-591N *2-Way Bass Reflex Center Speaker*
- 3 1/4″ (8 cm) Cone Woofer x 2
- 1″ (2.5 cm) Balanced-Dome Tweeter
- Max. Input Power: 130 W
- Gloss Finished Side Panels

SKR-590/SKB-590 *Full-Range Acoustic Suspension Surround/Surround Back Speakers*
- 3 1/4″ (8 cm) Cone
- Max. Input Power: 130 W

Note: All speakers feature an impedance of 6 ohms and color-coded speaker terminals.

SKW-591 *Bass Reflex Powered Subwoofer*
- 10″ (25 cm) Cone
- Rated Output Power: 120 W (Minimum Continuous Power, 4 Ohms, 100 Hz, 1%, FTC)
- Energy-Saving Power Amplifier
- Down-Firing

HT-S5500 7.1-Channel Home Theater Receiver/Speaker Package

Audio Return Channel and 3D Video via HDMI®

Four HDMI inputs on the HT-S5500's receiver allow seamless integration of high-definition devices such as Blu-ray players, cable/satellite tuners, and gaming consoles. HDMI implementation on this receiver also supports an Audio Return Channel, allowing TV audio to be sent upstream to the A/V receiver. That means you can enjoy television programs in magnificent Onkyo sound. HDMI also supports 3D video and other popular high-resolution formats.

Direct Digital iPod®/iPhone® Connection for Cleaner Sound

The receiver's front-panel USB port lets you play MP3 and AAC stored on an iPod/iPhone, and MP3, WMA, AAC, and FLAC audio files stored on a flash-memory device using the system's own remote for track selection and playback. Your music will also sound much cleaner and clearer, as the audio signal is transported in digital form (rather than analog) via the direct digital connection.

WRAT (Wide Range Amplifier Technology) Delivers Higher Fidelity

Onkyo's WRAT concept was developed to improve signal-to-noise ratios, and enhance the fidelity of amplified audio. The technologies work to reduce noise across the frequency range, guaranteeing a clear, well-balanced performance. It does this by employing a low negative-feedback amplifier design; using "closed" ground-loop circuitry to cancel noise from individual circuits; and by ensuring high instantaneous-current capability to cancel reflex energy and impedance fluctuations from the speakers.

Dolby® Pro Logic® IIz for a More Enveloping Sound Field

Pro Logic IIz creates a surround-sound experience from any movie or music source—even a stereo one. Pro Logic IIz also enables you to incorporate two "front height" speakers that carry ambient audio effects for games and movies.

Convenient Overlaid On-Screen Display via HDMI

The receiver's overlaid On-Screen Display (OSD) feature makes changing the settings on your A/V receiver quick and easy. On-screen set-up menus appear overlaid on the video image you're watching. This means you can adjust the settings immediately, without having to stop the program and switch to a different screen to access menus.

Audyssey Technologies Optimize Home Theater Performance

The HT-S5500 comes equipped with three sound-enhancing Audyssey technologies.

(1) Audyssey 2EQ tailors multi-channel audio for your home theater speaker set-up by measuring three room positions and applying a resolution filter to the satellite speakers to correct for room acoustics.

(2) Audyssey Dynamic EQ® maintains a consistent bass response, tonal balance, and surround-sound effect at different volume levels, so you can enjoy the natural dynamics of your content regardless of the volume.

(3) Audyssey Dynamic Volume® automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.

Quality Speakers for Quality Sound

A carefully matched Onkyo speaker set delivers clear, dynamic audio reproduction. Hefty two-way front speakers feature a 5" (12 cm) OMF Diaphragm woofer for fast and accurate mid-range response, plus a balanced-dome tweeter for clean, well-separated highs. The center speaker boasts twin cone woofers and tweeter, while the satellite speakers have a single full-range driver. A powered subwoofer lends impact to games, movies, and music, yet is energy efficient, drawing 80 percent less power than the 2011 model.

Get More Realistic Action with Four Different Gaming Modes

Select from four different optimized audio modes to match your gaming content for a highly realistic surround sound experience. Rock, Sports, Action, and RPG game modes will help to bring out the best in any soundtrack, from subtle ambient effects to thundering explosions.

SPECIFICATIONS

A/V RECEIVER

Amplifier Section

Power Output	
Front L/R	130 W/Ch (6 Ohms, 1 kHz, 1% THD, 1 Channel Driven) 80 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
Center	130 W (6 Ohms, 1 kHz, 1% THD, 1 Channel Driven) 80 W (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
Surround L/R	130 W/Ch (6 Ohms, 1 kHz, 1% THD, 1 Channel Driven) 80 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
Surround Back L/R	130 W/Ch (6 Ohms, 1 kHz, 1% THD, 1 Channel Driven) 80 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
Dynamic Power	180 W (3 Ohms, Front) 160 W (4 Ohms, Front) 100 W (8 Ohms, Front)
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz–20 kHz, Half Power)
Damping Factor	60 (Front, 1 kHz, 8 Ohms)
Input Sensitivity and Impedance	200 mV/47 k-ohms (Line)
Rated RCA Output Level and Impedance	200 mV/2.2 k-ohms (Line Out)
Maximum RCA Output Level and Impedance	2.0 V/2.2 k-ohms (Line Out)
Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)
Tone Control	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	6 Ohms–16 Ohms

Video Section

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp–p/75 Ohms (Component Y) 0.7 Vp–p/75 Ohms (Component PB/CB, PR/CR) 1.0 Vp–p/75 Ohms (Composite)
Component Video Frequency Response	5 Hz–100 MHz/+0 dB, -3 dB

Tuner Section

Tuning Frequency Range	
FM	87.5 MHz–107.9 MHz
AM	530 kHz–1,710 kHz
FM/AM Preset Memory	40 Stations

General

Power Supply	AC 120 V~, 60 Hz
Power Consumption	5.0 A
Dimensions (W x H x D)	17 1/8" x 5 7/8" x 12 15/16" (435 x 150 x 328 mm)
Weight	18.5 lbs. (8.4 kg)

SPEAKER SYSTEM

Speaker Type	
Front	2-Way, Bass Reflex
Center	2-Way, Bass Reflex
Surround	Full-Range, Acoustic Suspension
Surround Back	Full-Range, Acoustic Suspension
Subwoofer	Bass Reflex, Powered
Drivers	
Front	5" (12 cm) OMF Diaphragm Woofer 1" (2.5 cm) Balanced-Dome Tweeter
Center	3 1/4" (8 cm) Cone Woofer x 2 1" (2.5 cm) Balanced-Dome Tweeter
Surround	3 1/4" (8 cm) Cone
Surround Back	3 1/4" (8 cm) Cone
Subwoofer	10" (25 cm) Cone
Frequency Response	
Front	55 Hz–50 kHz
Center	65 Hz–50 kHz
Surround	80 Hz–20 kHz
Surround Back	80 Hz–20 kHz
Subwoofer	25 Hz–150 Hz
Output Sound Pressure Level	
Front	84.5 dB/W/m
Center	86 dB/W/m
Surround	81 dB/W/m
Surround Back	81 dB/W/m
Max. Input Power	
Front/Center/Surround/Surround Back	130 W
Rated Output Power	
Subwoofer	120 W (Minimum Continuous Power, 4 Ohms, 100 Hz, 1%, FTC)
Nominal Impedance	
Front/Center/Surround/Surround Back	6 Ohms
Input Sensitivity/Impedance	
Subwoofer	540 mV/20 k-ohms

General

Dimensions (W x H x D)	
Front	6 1/8" x 14 7/8" x 6 5/8" (155 x 378 x 169 mm)
Center	16 9/16" x 4 1/2" x 4 11/16" (420 x 115 x 119 mm)
Surround	4 1/2" x 9 1/16" x 3 3/4" (115 x 230 x 96 mm)
Surround Back	4 1/2" x 9 1/16" x 3 3/4" (115 x 230 x 96 mm)
Subwoofer	12 1/2" x 18 7/16" x 15 11/16" (317.5 x 468 x 398 mm)
Weight	
Front	5.7 lbs. (2.6 kg)
Center	5.1 lbs. (2.3 kg)
Surround	2.2 lbs. (1.0 kg)
Surround Back	2.2 lbs. (1.0 kg)
Subwoofer	20.1 lbs. (9.1 kg)

CARTON

Dimensions (W x H x D)	30 1/8" x 30 1/4" x 18 3/4" (772 x 768 x 477 mm)
Weight	76.1 lbs. (34.5 kg)

UPC CODE

(B)	751398010491

Supplied Accessories

• Indoor FM Antenna • AM Loop Antenna
• Color-Coded Speaker Cables • Subwoofer Cable
• Speaker Set-Up Microphone • Instruction Manual
• Quick Start Guide • Remote Controller • AA (R6) Batteries x 2

HT-R591

Front View

Rear View

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